

Anti-MLC-2 antibody



Description	Rabbit polyclonal to MLC-2.
Model	STJ94143
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human MLC-2 around the non-phosphorylation site of T17/S18.
Immunogen Region	1-80 aa
Gene ID	10627
Gene Symbol	MYL12A
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	MLC-2 Polyclonal Antibody detects endogenous levels of MLC-2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Myosin regulatory light chain 12A Epididymis secretory protein Li 24 HEL-S-24 MLC-2B Myosin RLC Myosin regulatory light chain 2, nonsarcomeric Myosin regulatory light chain MRLC3
Molecular Weight	19794/19779/19827 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16701OMIM:609211
Alternative Names	Myosin regulatory light chain 12A Epididymis secretory protein Li 24 HEL-S-24 MLC-2B Myosin RLC Myosin regulatory light chain 2, nonsarcomeric Myosin regulatory light chain MRLC3
Function	Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis, receptor capping, and cell locomotion .
Post-translational Modifications	Phosphorylation increases the actin-activated myosin ATPase activity and thereby regulates the contractile activity. It is required to generate the driving force in the migration of the cells but not necessary for localization of myosin-2 at the leading edge .

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com